

Peak District National Park

Forecast valid from 06:00 on Wednesday 24 Nov 2021 until 23:59 on Thursday 25 Nov 2021

Forecast Issued on Wednesday 24 Nov 2021 at 02:20

Confidence: High for a much colder, more wintry period than we have seen recently. Becoming lower for timing of the various bands of precipitation and wind speeds due to uncertainties regarding a deep low, expected to move SE close to northern Scotland and into the North Sea, later this week and over the weekend.

Headline for Wednesday 24 Nov 2021: Bright morning but becoming cloudy with outbreaks of rain.

Mountain weather hazards on Wednesday 24 Nov 2021

Blizzards
No Likelihood

Gales
No Likelihood

Thunderstorms
No Likelihood

Heavy Snow
No Likelihood

Severe chill effect
Low Likelihood

Heavy persistent rain
No Likelihood

Storm force winds
No Likelihood

Poor visibility
Low Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
					
Cloudy	Cloudy	Sunny intervals	Sunny intervals	Light rain	Cloudy
Precipitation probability					
10%	10%	10%	20%	60%	30%

Forecast for Wednesday 24 Nov 2021

Weather: A largely cloudy start, but becoming brighter with some sunny spells. Cloud increasing for the afternoon with outbreaks of rain and drizzle later, perhaps briefly sleet later on the highest tops. The rain clears away south during the evening with drier conditions developing.

Chance of cloud free mountain/hill tops above 600m: Around 30% at first, becoming 80% through the morning, before falling again to 20% during the afternoon. Chances improve considerably later in the evening.

Visibility: Periods of cloud above 400-500m at first breaking and lifted somewhat during the morning. Becoming extensive above 400-500m during the afternoon before largely clearing later in the evening. Visibility very poor in cloud, with nearby landmarks obscured. Visibility moderate in rain, with hills in the middle distance obscured. Away from cloud and rain, visibility will be good with distant hills visible.

Forecast for Wednesday 24 Nov 2021

Height (m)	Wind Speed mean/gusts (mph)				Wind Direction (blowing from)		
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	15/19 W	18/24 W	15/20 W	12/16 SW	9/13 NW	10/14 N	10/17 NW
300	11/16 SW	12/18 SW	11/16 SW	8/12 SW	7/11 NW	7/11 NW	8/13 NW
Valley	8/16 W	8/18 W	8/15 SW	6/12 SW	5/12 N	5/12 NW	4/12 NW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	4/-1	3/-2	3/-2	3/-1	3/-1	2/-2	0/-4
300	6/2	5/1	6/2	6/3	5/3	4/2	3/-0
Valley	6/4	6/3	7/4	7/5	6/4	5/3	2/0
Freezing Level*	1100m	1100m	1000m	1200m	1100m	800m	500m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Increasing wind chill effect through the day, even at lower levels.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Wed 24 Nov 2021	0.4mm	0.8mm	1mm

Forecast for Thursday 25 Nov 2021

Weather: Generally a dry day with long clear or sunny spells, perhaps one or two snow flurries possible in the east. However cloud is expected to increase during the evening.

Maximum wind: Northerly or northwesterly 15-20mph decreasing 10mph in afternoon and backing more southwesterly later in evening.

Chance of cloud free mountain/hill tops above 600m: Close to 100% in the west and 70% in the east, but chances falling towards midnight.

Visibility: Only small amounts of cloud below summits through much of the day, although occasional cloud above 400-500m possible in east associated with the risk of snow showers. Periods of cloud above 400m later in the evening. Visibility very good or excellent, with distant hills clearly visible, briefly falling to around a kilometre in any snow flurries.

Temperature: **Valleys:** Close to Zero at dawn rising to plus 5 Celsius by day
At 600m: Around Zero Celsius
Freezing level: 500-600m.